T 17				
L Number			DB	Time stamp
1	1950	(502/80,81,83,85,439).CCLS.	USPAT;	2003/04/18 20:0
_	2	(/842145278)	US-PGPUB	2003/04/10 20.1
	1 2	(("4714537") or ("4696732")).PN.	USPAT;	2003/04/18 20:0
_	7942	cotolast	US-PGPUB	1 20,01,20 20.0
	/ / / / / / / / / / / / / / / / / / / /	catalyst and montmorillonite	USPAT;	2003/04/18 19:4
			US-PGPUB;	
			EPO; JPO;	}
			DERWENT;	1
_	1105	(catalyst and market)	IBM_TDB	
		(catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or "de	USPĀT;	2003/04/18 17:4
	1	alumin's4 or (/romand)	US-PGPUB;	
		alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$4))	EPO; JPO;	i
		or which of below, heard alumins4))	DERWENT;	
_	166	((catalyst and montmorillonite) and	IBM_TDB	Í
		(dealumin\$4 or "de-alumin"\$4 or "de	USPAT;	2003/04/18 16:2
		alumin"\$4 or ((remov\$3 or without or less	US-PGPUB;	
		or under or below) near4 alumin\$4))) and	EPO; JPO;	
		(phosphoric or "h.sub.3 po.sub.4") and	DERWENT;	
	İ	impregnat\$4	IBM_TDB	1
-	135	(((catalyst and montmorillonite) and		
		(dealumin\$4 or "de-alumin"\$4 or "de	USPAT;	2003/04/18 16:2
		alumin"\$4 or ((remov\$3 or without or less	US-PGPUB;	
		or under or below) near4 alumin\$4))) and	EPO; JPO;	
		(phosphoric or "h.sub.3 po.sub.4") and	DERWENT;	
		impregnat\$4) and (remov\$3 or without or	IBM_TDB	
		less or under or below) near4 alumin\$2	l	
-	78	((((catalyst and montmorillonite) and	Hann	
		(dealumin\$4 or "de-alumin"\$4 or "de	USPAT;	2003/04/18 16:4
		alumin"\$4 or ((remov\$3 or without or less	US-PGPUB;]
		of under or below) near4 alumins4111 and	EPO; JPO;	1
i		(phosphoric or "h.sub.3 po.sub 4") and	DERWENT;	
1		impregnat \$4) and (remov\$3 or without or	IBM_TDB	1
	I	less or under or below) near4 alumin(2)		1
İ	[and (nci or hydrochloric)		
·	55	(((((catalyst and montmorillonite) and	USPAT;	2002/04/10 15 01
İ		(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	2003/04/18 16:21
1		alumin"\$4 or ((remov\$3 or without or loss	EPO; JPO;	
į		or under or below) near4 alumins4))) and	DERWENT;	
ł		(phosphoric or "h.sub.3 po sub 4") and	IBM TDB	1
		impregnat \$4) and (remov\$3 or without or	1200	1
	1	less or under or below) near4 alumins2)		1
1		and (ncl or hydrochloric)) and silicate		1
	14	(((((Catalyst and montmorillonite) and	USPAT;	2003/04/18 16:21
-	i	(dealumin)4 or "de-alumin"44 or "do	US-PGPUB;	2000/04/10 10.21
ļ		alumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	
	1.	or under or pelow) hear4 alumin(4))) and	DERWENT;	İ
		(phosphoric or "h.sub.3 po.sub.4") and	IBM TDB	
		impregnat\$4) and (remov\$3 or without or	_	
	1	less or under or below) near4 alumin\$2)		
1		and (hcl or hydrochloric)) and silicate) and smectite		
	6 '	([[]]/[catalust ===1		
	Ĭ	((((((catalyst and montmorillonite) and	USPAT;	2003/04/18 16:11
		(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	
		alumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	
1		or under or below) near4 alumin\$4))) and	DERWENT;	
		(phosphoric or "h.sub.3 po.sub.4") and	IBM_TDB	
	1	impregnat\$4) and (remov\$3 or without or		
1		less or under or below) near4 alumin\$2)		
1	ء ا	and (hcl or hydrochloric)) and silicate)		
	1,	and smectite) and (without or less or under or below) near4 alumin\$2	1	
1	1109	Catalyst and montand line in a contant of the conta	1	
	-105 /	catalyst and montmorillonite) and	USPAT;	2003/04/18 16:13
		dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	10.15
1	1 2	lumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	
	ه ا	r under or below or zero) near4	DERWENT;	
		- was + 4 × 7 / /	IBM TDB	

-		4 ((catalyst and montmorillonite) and	USPAT;	2003/04/18 16:1
		(dealumin\$4 or "de-alumin"\$4 or "de	IIC DODIED	2003/04/10 10:1
		alumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	
l		or under or below or zero) near4	DERWENT;	1
		alumin\$4))) not ((catalyst and	IBM TDB	
		montmorillonite) and (dealumin\$4 or	_	
		"de-alumin"\$4 or "de alumin"\$4 or		
		((remov\$3 or without or less or under or		
-		below) near4 alumin\$4)))	i	ĺ
		- ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	USPAT;	2003/04/18 16:38
		(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	10.50
		alumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	
		or under or below or zero) near4	DERWENT;	
		alumin\$4))) not ((catalyst and	IBM TDB	
	ĺ	montmorillonite) and (dealumin\$4 or	_	
	1	"de-alumin"\$4 or "de alumin"\$4 or		1
		((remov\$3 or without or less or under or		
_	,	below) near4 alumin\$4)))) and impregnat\$4		
	4	\\\\CdtdlySt and montmorillonite\ and	USPAT;	2003/04/18 16:15
	l.	(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	2003/04/18 10.13
		alumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	
		or under or below or zero) neard	DERWENT;	
		alumin\$4))) not ((catalyst and	IBM TDB	
		montmorillonite) and (dealumins) or	120.1_100	
	j	"de-alumin"\$4 or "de alumin"\$4 or		
		((remov\$3 or without or less or under or		j
	1	Delow) near4 alumin\$4)))) and impregnat\$4)		1
		and Silicate	j	1
_	2		USPAT;	2002/04/10 15 15
		(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	2003/04/18 16:15
		alumin"\$4 or ((remov\$3 or without or loss	EPO; JPO;	
		of under or below or zero) neard .	DERWENT;	
	1	(alumin\$4))) not ((catalyst and	IBM TDB	1
		montmorillonite and (dealumins) or	IDII_IDB	
	1	"de-alumin"\$4 or "de alumin"\$4 or		
		((remov\$3 or without or less or under or		
	-	Delow) near4 alumins4)))) and impregnate()		1
		and smectite	1	
-	1504	(catalyst and montmorillonite) and	USPAT;	2002/04/10 15 55
	ľ	(dealumin\$4 or "de-alumin"\$4 or "do	US-PGPUB;	2003/04/18 16:20
]	alumin"\$4 or ((remov\$3 or without or loss	EPO; JPO;	
		of under or below or more) near4	DERWENT;	i
		alumin\$4))	IBM TDB	
-	237	((catalyst and montmorillonite) and	USPAT;	2002/04/10 15
		(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	2003/04/18 16:20
		alumin"\$4 or ((remov\$3 or without or less	l === - ·	
		of under or below or more) near4	EPO; JPO; DERWENT;	
		alumin\$4))) and (phosphoric or "h sub 3		
		po.sub.4") and impregnat\$4	IBM_TDB	
	211	(((catalyst and montmorillonite) and	HCDAM.	0000 (0.45
		(dealumin\$4 or "de-alumin"\$4 or "do	USPAT;	2003/04/18 16:21
		alumin"\$4 or ((remov\$3 or without or loss	US-PGPUB;	
		or under or below or more) neard	EPO; JPO;	
j		alumin\$4))) and (phosphoric or "h sub a	DERWENT;	
1	1	po. Sub. 4") and impregnatS4) and (removes	IBM_TDB	
İ		or without or less or under or below or		
	1	more) near4 alumin\$2		
ŀ	107	((((catalyst and montmorillonite) and		
İ	1	(dealumin\$4 or "de-alumin"\$4 or "de	USPAT;	2003/04/18 16:21
j		alumin"\$4 or ((remov\$3 or without or less	US-PGPUB;	
1		or under or below or more) near4	EPO; JPO;	
1	- 1	alumin (phosphoric or "h.sub.3"	DERWENT;	
1	1	po.sub.4") and impregnat\$4) and (remov\$3	IBM_TDB	
1	1	or without or less or under or below or	1	.
1		more) near4 alumin\$2) and (hcl or		
1		hydrochloric)		
1				

	73	(((((catalyst and montmorillonite) and	USPAT;	2003/04/18 16:21
	İ	(dealumin\$4 or "de-alumin"\$4 or "de alumin"\$4 or ((remov\$3 or without or less	US-PGPUB;	
	j	or under or below or more) near4		1
		alumin\$4))) and (phosphoric or "h.sub.3	DERWENT;	1
		[po.sub.4") and impregnats4) and (removes	IBM_TDB	İ
	1	1 of without or less or under or bolon or		
		MOTE near4 alumins 2) and (heler		
		(nydrochloric)) and silicate		
_	16	((((((catalyst and montmorillonite) and	USPAT;	2002/04/10 15
	1	(dealumin)4 or "de-alumin"\$4 or "do	US-PGPUB;	2003/04/18 16:23
		alumin"\$4 or ((remov\$3 or without or last	EPO; JPO;	
		or under or below or more) near/	DERWENT;	· ·
		alumin\$4))) and (phosphoric or "h.sub.3	IBM TDB	1.
		po.sub.4" and impregnats4) and (removes		
		or without or less or under or below or		
	1 1	more) near4 alumin\$2) and (hcl or		
-	13	hydrochloric)) and silicate) and smectite		
	1 1	((((((catalyst and montmorillonite) and	USPAT;	2003/04/18 16:24
		(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	1,11,20 10.21
	1	alumin"\$4 or ((remov\$3 or without or less or under or below or more) near4	EPO; JPO;	
	1	alumin\$4))) and (phosphoric or "h.sub.3	DERWENT;	
	1	po.sub.4") and impregnat\$4) and (remov\$3	IBM_TDB	
•		of Willoud Of less or under or heles		1
		more) near4 alumin\$2) and (hcl or		
	1 1	nydrochloric)) and silicate) and smootite)		
	1	and (SIIIC\$2 With alumin\$2) with (less or		
	1	more)	j	
	3	((((((catalyst and montmorillonite) and	USPAT;	0000 (0.44)
	l i	\uedimin>4 or "de-alimin"\$1 or "de	US-PGPUB;	2003/04/18 16:25
		alumin"\$4 or ((remov\$3 or without or last	EPO; JPO;	
	l l	of under or below or more) heard	DERWENT;	
		alumin\$4))) and (phosphoric or "h.sub.3	IBM TDB	
	1.	po.sub.4") and impregnats4) and (removes	1-5155	1
	1	or without or less or under or below an		1
1	1	more) near4 alumin\$2) and (hcl or	1	
	1 1	hydrochloric)) and silicate) and smectite)		
İ	2	and (silic\$2 with alumin\$2) with ratio		
j	-	(((((((catalyst and montmorillonite) and	USPAT;	2003/04/18 16:24
	l a	(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	1 20.21
		alumin"\$4 or ((remov\$3 or without or less or under or below or more) near4	EPO; JPO;	
ł	á	alumin\$4))) and (phosphoric or "h.sub.3	DERWENT;	
	l r	po.sub.4") and impregnat\$4) and (remov\$3	IBM_TDB	
	1 4	'- without of less or under or below an		
1	1	""" A TOUL 4 GIUIII 113/1 AND THE A		
] 1:	(ydrochloric)) and silicate) and smarth ,		ľ
ł	1 4	TIG (STITES WITH Alimins) with /1		
	1 "	iole)) and (Silic\$2 with alumin\$2) with		
	1 -	acto		
1	2 (((((((catalyst and montmorillonite) and	USPAT;	2002/04/12
	1 \	dealumin94 or "de-alumin"\$4 or "de	US-PGPUB;	2003/04/18 16:25
ł	Įα	lumin"\$4 or ((remov\$3 or without or last)	EPO; JPO;	1
1	10	under or below or more) neard	DERWENT;	
	a	lumin\$4))) and (phosphoric or "b cub a	IBM TDB	
	1 12	U.SuD.4) and impregnats4) and (remarks	100	
	10	without of less or under or bolover.		
	1 1110	ore) near4 alumins2) and (heler		
1	11	ydrochloric)) and silicate) and smoothing [1	
	u	nd (silic\$2 with alumin\$2) with ratio) nd (less or more) with ratio		
	l at	M (LESS OF MOTE) with ratio	i	j.

-		2 (((((((catalyst and montmorillonite) and	d USPAT;	2003/04/18 16:30
		(dealumin)4 or "de-alumin"\$4 or "do	US-PGPUB;	2003/04/10 10:30
	1	alumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	
İ		or under or below or more) near4 alumin\$4))) and (phosphoric or "h.sub.3	DERWENT;	
ĺ		po.sub.4") and impregnat\$4) and (remov\$3	IBM_TDB	
		or without or less or under or below or		
		more near4 alumin \$2 and (hcl or]
		hydrochloric)) and silicate) and smootite)		
		and (Silical With aluminsa) with (less or		
		[more]) and (silic\$2 with alumin\$2) with		
_		ratio) and (less or more) with ratio		
	4	2 ((("4714537") or ("4696732")) PN 1 and	USPAT;	2003/04/18 16:30
ŀ		(less or more) with ratio	US-PGPUB;	2003/04/10 10:30
			EPO; JPO;	
			DERWENT;	
-		2 (((("4714537") or /"4696732")) py	IBM_TDB	
1		(((("4714537") or ("4696732")).PN.) and (less or more) with ratio) and catalyst	USPAT;	2003/04/18 16:32
		and montmorillonite	US-PGPUB;	1
		and monomorphic to the control of th	EPO; JPO;	1
			DERWENT;	
-	2	((((("4714537") or ("4696732")).PN.) and	IBM_TDB	10000 /0. //-
		(less or more) with ratio) and catalugh	USPAT; US-PGPUB;	2003/04/18 16:37
	1	and montmorillonite) and silicate	EPO; JPO;	
			DERWENT;	
1_			IBM_TDB	
1	1	smectite near3 are	USPAT;	2003/04/18 16:39
			US-PGPUB;	2003/04/18 10:39
			EPO; JPO;	
			DERWENT;	
ļ -	437	Smectite poor? /ic and	IBM_TDB	1
		smectite near3 (is or contain or made)	USPAT;	2003/04/18 16:41
1			US-PGPUB;	
	1		EPO; JPO;	1
			DERWENT;	
-	2096	smectite with montmorillonite	IBM_TDB USPAT;	000040445
			US-PGPUB;	2003/04/18 16:41
			EPO; JPO;	
			DERWENT;	1
_	480		IBM TDB	
	1 400	smectite near montmorillonite	USPAT;	2003/04/18 16:41
	ĺ		US-PGPUB;	
		·	EPO; JPO;	
			DERWENT;	
- ,	11	((((((catalyst and montmorillonite) and	IBM_TDB	
		(dealumin\$4 or "de-alumin"\$4 or "de	USPAT;	2003/04/18 17:05
		alumin"\$4 or ((remov\$3 or without or loss	US-PGPUB;	
		or under or below) near4 aluming4\\\\ and	EPO; JPO;	
		(phosphoric or "h.sub.3 po.sub 4") and	DERWENT;	
		impregnato4) and (removed or without or	IBM_TDB	
		less or under or below) near4 alumines		
]	and (ncl or hydrochloric)) and silicate)		
	1	and smectite) and ((pore with volume) or		
_	240	porosity)		
l	240	((catalyst and montmorillonite) and	USPAT;	2003/04/18 16:49
		alumin"\$4 or "de-alumin"\$4 or "de	US-PGPUB;	1 - 7 - 7 - 10 - 10 - 43
ŀ		or under on below to without or less	EPO; JPO;	
i		or Derow, near4 alumins4))) and	DEDITEME.	
	_	Diessure and (noro adi	DERWENT; IBM TDB	i i

Compared to the compared to					
Casel numin*34 or "de-alumin*54 or "de alumin*34 or "temov\$3 or without or less or under or below) nearf alumin*34) and impregnat\$4] and subs. 3p o.sub.4") and less or under or below) nearf alumin\$2] and (hel or hydrochlorics)) and silicate) and smectite) and ((pore with volume) or porosity) and smeetite) and ((leatalyst and montmorillonics) and ((catalyst and montmorillonics) and pressure and ((catalyst and montmorillonics) and (catalmin*34 or "de-alumin*34	-	1	- 1		2003/04/18 16:52
or under or below) neard alumins(1)) and (phosphoric or "h. sub. 3, pos. sub. 4") and impregnat(3) and (remov83 or without or less or under or below) neard alumins(2) and smectite) and ((icealyst and montmorillonite) and (dealumins) or "de-alumin"(3) or "de-alumin"(3) or "de-alumin"(4) or "de-alumin"(5) or (remov83 or without or less or under or below) neard alumin(5) or pressure) neard (dealumin(5) or pressure) neard (dealumin(5) or "de-alumin"(5) or "de-al			(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
(phosphoric or "h.sub.3 po.sub.4") and imprepants(4) and (remov33 or without or less or under or below) near4 alumins(2) and (hol or hydrochloric)) and silicate) are serviced and (locatalyst and montmorillonite) and (incatalyst and m	ľ		alumin"\$4 or ((remov\$3 or without or less		ļ
less or under or below) neart alumin\$2) and (hel or hydrochloric)) and silicate) and smecritle) and ((pore with volume) or part and montmorillonite) and ((catalyst and ((catalyst and montmorillonite) and ((catalyst and montmorillonite) and ((catalyst and montmorillonite) and ((catalyst and montmorillonite) and ((catalyst and montmorillonite) and ((catalyst and montmorillonite) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and pressure and (oreson or strength) and pressure and (oreson or not not not not not not not not not not		[(phosphoric or "b sub 2 - a 1 4"))) and		
less or under or below) near4 alumins2) and (hol or hydrochloric) and silicates and smectite) and ((pore with volume) or porosity) and smectite) and ((dealunins4 or "dealumins4 or "dealu			impregnat \$4) and (remove 2 or without	IBM_TDB	
and (hel or hydrochloric)) and silicate) and smectite) and ((pore with volume) or porosity)) and smectite) and (((catalyst and montmorillonite) and ((dealumin's4 or the low)) and thinking or "de-alumin's4 or "de alumin's4 or "de-alumin's4 or "de alumin's4 or ((remov\$3 or without or less or under or below) heard alumin's4 or "de alumin's4 or ((remov\$3 or without or less or under or below) heard alumin's4 or "de alumin's4 or ((remov\$3 or without or less or pressure and (pore ad) volume)) and (pore de) pressure and (pore ad) volume) and (crush or pressure) hear] (resistance or strength) 4 (((catalyst and montmorillonite) and (dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) heard alumins4))) and pressure and (pore ad) volume)) and (crush or pressure) hear3 (resistance or ((catalyst and montmorillonite) and ((dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) heard alumins4))) 5 (((catalyst and montmorillonite) and ((dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) neard alumins4)) 6 ((catalyst and montmorillonite) and ((dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) neard alumins4)) 7 ((catalyst and montmorillonite) and ((dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) neard alumins4)) 8 ((catalyst and montmorillonite) and ((dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) neard alumins4)) 9 ((catalyst and montmorillonite) and ((dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) neard alumins4)) 1 ((catalyst and montmorillonite) and (dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) neard alumins4)) 1 ((catalyst and montmorillonite) and (dealumin's4 or "de-alumin's4 or "de alumin's4 or ((remov3 or without or less or under or below) neard a			less or under or below) poord alumines)	İ	1
and smectite) and (((pore with volume) or porosity)) and smectite) and (((catalyst and montmorillonite) and ((dealumins or "de-alumin"s or "(remov3) or without or less or under or below) mearf alumins(3)) and pressure and or "de-alumin"s or "de alumin"s or "(catalyst and montmorillonite) and (dealumins or "de-alumin"s or yeressure) near3 (resistance or strength) - (((catalyst and montmorillonite) and (dealumins or "de-alumin"s or without or less or under or below) nearf alumins(3)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength) and pressure and (pore adj volume) and (crush or pressure) near3 (resistance or strength) and (crush or pressure) near3 (resistance or strength) and (crush or pressure) near3 (resistance or strength) and (crush or pressure) near3 (resistance or strength)) and (crush or pressure) near3 (resistance or strength)) and (crush or pressure) near3 (resistance or strength)) and crush or pressure and (pore adj volume) and (crush or pressure) near3 (resistance or strength)) and crush with (newton or n) (catalyst and montmorillonite) and (dealumins(4) or "de-alumin"(4) or "de-alumin"(5) or		1	and (hcl or hydrochloric)) and giliante		1
porosity) and montmorillonite) and (((catalyst and montmorillonite) and (dealumin's4 or "de-alumin's4 or "de alumin's4 or "de			and smectite) and ((pore with volume) or		İ
and montmorillonite) and (dealumins4 or "de-alumin"s4 or "de-alumin"s4 or "de alumins1"s4 or "de alumins3 or "de alumins3 or "de alumins4"s4 or "de alumins4"s5 or "de alumins4"s5 or "de alumins4"s5 or "de alumins4"s5 or under or below) near4 alumins4, or "de alumins4"s5 or "de alumins4"s5 or "de alumins4"s5 or "de alumins4"s5 or "de alumins4"s5 or "de alumins4"s5 or "de alumins54 or "de			((catalust		
"de-alumin"\$4 or "de alumin"\$4 or (tremov\$3 or without or less or under or below) near4 alumins\$4)) and pressure and (pore adj volume)) (((catalyst and montmorillonite) and (dealumin\$4 or "(tremov\$3 or without or less or under or below) near4 alumin\$4)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength) ((((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or "de alumin"\$4 o	1		and montmorillonite) and (dealumins4 or		
below) near4 alumin\$4()) and pressure and (pore adj volume)) (((catalyst and montmorillonite) and (dealumin\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$4()) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength) 4 ((((catalyst and montmorillonite) and ((dealumin\$4 or "de-alumin"\$4 or "de-alumin\$4))) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and (pressure and (pore adj volume)) and (crush or pressure) with (newton or n) (((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin\$4 or "de-alumin\$4)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength) and crush with (newton or n) ((atalyst and montmorillonite) and (catalyst and montmorillonite) and (dealumin\$4 or "de-a			"de-alumin"\$4 or "de alumin"\$4 or		İ
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(dealumin\$4 or "de-alumin"\$4 or "de alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$41) and pressure and (pore adj volume) and (crush or pressure) near3 (resistance or strength) ((((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$41) and pressure and (pore adj volume) and (crush or pressure) near3 (resistance or strength)) and (crush or pressure) near3 (resistance or strength)) and (catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$41) and pressure and (pore adj volume) and (crush or pressure) near3 (resistance or strength)) and crush with (newton or n) (catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or "de-alumi	_	3.	(((catalust and montmonillarity)		
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(dealumin%4 or "de-alumin%4 or "de alumin%4 or (tremov\$3 or without or less or under or below) near4 alumin%4)) and pressure and (pore adj volume)) and (crush or pressure)) near3 (resistance or strength)) and (crush or pressure) with (newton or n) ((((catalyst and montmorillonite) and (dealumin%4 or "de-alumin%4") and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and crush with (newton or n) (catalyst and montmorillonite) and (dealumin%4 or "de-alumin%4 or "de alumin%4") and (dealumin%4 or "de-alumin%4 or "de alumin%4") [IM TDB] [I	1		strength)		
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or under or below) near4 alumins4)) and pressure and (pore adj volume) and (crush or pressure) near3 (resistance or strength) and (crush or pressure) with (newton or n) ((((catalyst and montmorillonite) and (dealumins4 or "de-alumin"s4 or "de salumins4)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and crush with (newton or n) (catalyst and montmorillonite) and (dealumins4 or "de-alumin"s4 or "de alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and (dealumins4 or "de-alumins4)) and crushs3 with (strength or resist\$5) and (dealumins4 or "de-alumins4)) and crushs3 with (strength or resist\$5) and (dealumins4 or "de-alumins4)) and crushs3 with (strength or resist\$5) and (dealumins4 or "de-alumins4)) and crushs3 with (strength or resist\$5) and (dealumins4 or "de-alumins4)) and crushs3 with (newton or n) ((catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) ((catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) ((catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) ((catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) ((catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) (catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) (catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) (catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newton or n) (catalyst and montmorillonite) and (dealumins4 or "de-alumins4)) and crush3 with (newt			(dealumin\$4 or "de-alumin"\$4 or "de	US-PGPUB;	111111111111111111111111111111111111111
pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and (crush or pressure) with (newton or n) ((((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin*84 or "de alumin*94 or (tremov\$3 or without or less or under or below) near4 alumin\$4()) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and crush with (newton or n) ((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin*94 or "de alumin*94 or "de alumin*94 or "de alumin*94 or "de alumin*94 or "de alumin*94 or (remov\$3 or without or less or under or below) near4 alumin\$4()) ((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin*94 or "de alumi			alumin"\$4 or ((remov\$3 or without or less		
or pressure) near3 (resistance or strength)) and (crush or pressure) with (newton or n) ((((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin*\$4 or "de alumin\$5 or pressure) near3 (resistance or strength)) and (crush or pressure) near3 (resistance or strength)) and crush with (newton or n) ((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin*\$4 or "de-alumin\$5 or under or below) near4 alumin\$4)) - 229 ((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin*\$4 or "de-alumin*\$4 or "de-alumin*\$4 or "de-alumin*\$4 or "de-alumin*\$5 or under or below) near4 alumin\$4)) and crush\$3 with (strength or resist\$5) (((catalyst and montmorillonite) and (dealumin\$4 or (remov\$3 or without or less or under or below) near4 alumin\$4))) and crush\$3 with (strength or resist\$5) and crush\$3 with (strength or resist\$5) and crush\$3 with (newton or n) 1 ((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin*\$4 or "de-a			pressure and (nore add walker))) and		
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alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin*\$4)) and pressure and (pore adj volume)) and (crush or pressure) near3 (resistance or strength)) and crush with (newton or n) (catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$4 or "de alumin"\$5 or under or below) near4 alumin\$4()) and crush\$3 with (strength or resist\$5) (((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or "de alumin"\$5 or under or below) near4 alumin\$4()) and crush\$3 with (strength or resist\$5) and crush\$3 with (strength or resist\$5) and crush\$3 with (strength or resist\$5) and crush\$3 with (newton or n) ((catalyst and montmorillonite) and (dealumin\$4 or "de-alumin"\$4 or "de alumin\$4 or "de alumin\$4 or "de alumin\$4 or "de alumin\$4 or "de alumin			(dealumin\$4 or "de-alumin"\$4 or "de		2003/04/18 17:31
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Or under or below) near4 alumin\$4) DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; USPĀT; US-PGPUB;			alumin"\$4 or ((remov\$3 or without or less		
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- 20 ((catalyst and montmorillonite) and ((dealumin\$4 or "de-alumin"\$4 or "de alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$4))) and Crush\$3 with (newton or n or ?2n pound or TBM TDB USPAT; US-PGPUB; EPO; JPO; Or under or below) near4 alumin\$4))) and DERWENT; Crush\$3 with (newton or n or ?2n pound or TBM TDB		[or under or below) near4 alumin\$4))) and		
(dealumin\$4 or "de-alumin"\$4 or "de us-PGPUB; alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$4))) and DERWENT; crush\$3 with (newton or n or ?2n pound or TBM TDR	_	20	((catalyst and montmonillar)		
alumin"\$4 or ((remov\$3 or without or less or under or below) near4 alumin\$4))) and DERWENT; crush\$3 with (newton or n or ?2n pound or TBM TDR		"	(dealumin\$4 or "de-alumin"\$4 on "de		2003/04/18 17:54
or under or below) near4 alumin\$4))) and DERWENT; crush\$3 with (newton or n or ?2n pound or TRM TDR			alumin"\$4 or ((remov\$3 or without or less	US-PGPUB;	
crush\$3 with (newton or n or ?2n pound or TBM TDR			or under or below) near4 alumin\$4))) and		
[1b)			crush\$3 with (newton or n or ?2n pound or		
			1b)		

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_	17	(((cata)yet and month)		
	1 .	1 (((((((((((((((((((USPAT;	2003/04/18 19:4
		(dealumin\$4 or "de-alumin"\$4 or "de	I	1 = 000,04,10 19.4
		alumin"\$4 or ((remov\$3 or without or less	EPO; JPO;	Í
		or under or below) near4 alumin\$4))) and	DERWENT;	
	İ	Crusiias With (Strength or resident)		
_	12660	lb) (newton or n or ?2n pound or	155	
	12660	pressure adj resistance	USPAT;	2003/04/18 18:0
			US-PGPUB;	2003/04/18 18:0
	1		EPO; JPO;	Í
			DERWENT;	
_	713	/	IBM TDB	
	/13	(pressure adj resistance) and catalyst	USPAT;	2003/04/10 10 0
		•	US-PGPUB;	2003/04/18 18:09
			EPO; JPO;	
			DERWENT;	
_	1 _		IBM TDB	
	0		USPAT;	2002/04/22
		(dediumin) 4 or "de-alimin" (4 on "de-	US-PGPUB;	2003/04/18 18:09
	1	diumin"\$4 or ((remov\$3 or without or le-	EPO; JPO;	
		Of dider of Delow) heard alumined	DERWENT;	
		(Pressure ad) resistance)		
-	14	(catalyst and montmorillonita)	IBM_TDB	1
		(pressure adj resistance)	USPAT;	2003/04/18 18:10
		,	US-PGPUB;	
	1		EPO; JPO;	İ
	1	·	DERWENT;	
•	2582	cristobalite	IBM_TDB	
			USPAT;	2003/04/18 19:43
]		US-PGPUB;	
			EPO; JPO;	
			DERWENT;	1
	7942	catalyst and montmorillonite	IBM_TDB	
	1		USPAT;	2003/04/18 19:42
	1		US-PGPUB;	
	1 1		EPO; JPO;	
			DERWENT;	
	78	cristobalite and (catalyst and	IBM_TDB	
	1	montmorillonite)	USPAT;	2003/04/18 19:42
	1		US-PGPUB;	. = 0 23.42
			EPO; JPO;	
]		DERWENT;	
	16	(cristobalite and (catalyst and	IBM TDB	
ĺ	-	montmorillonito)	USPĀT;	2003/04/18 19:43
		montmorillonite)) and cristobalite with structure	US-PGPUB;	
		Seraceare	EPO; JPO;	
			DERWENT;	ļ
			IBM TDB	

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